

Southern California Edison
2023-WMPs – 2023-WMPs

DATA REQUEST SET Cal Advocates - SCE - 2023 WMP - 13

To: Cal Advocates
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Job Title: Engineer
Received Date: 5/2/2023

Response Date: 5/5/2023

Question 04:

On pages 305-309 of its WMP, SCE describes its X-Ray and Linevue transmission inspection technologies. SCE acknowledges that the Linevue and X-Ray inspections have a “high find rate [of P1, P2, P3 maintenance needs] compared to the number of X-Rays conducted.” With reference to this excerpt, please address the following:

- a) How does SCE determine annual targets for transmission conductor and splice assessments, using X-Ray inspections?
- b) How does SCE determine annual targets for transmission conductor and splice assessments, using Linevue inspections?
- c) SCE states that it will “continue to monitor the find rate and should it continue to remain high, more proactive mitigations will be considered in the future.”⁴ Is SCE currently considering increasing its annual targets for X-Ray and Linevue?
- d) If the answer to the previous part is no, why not?

Response to Question 04:

- a. *How does SCE determine annual targets for transmission conductor and splice assessments, using X-Ray inspections?*

SCE produces a model identifying high-risk Functional Locations (FLOCs) which considers FLOC age, circuit loading, splice count, conductor type, outage data and repair notifications. SCE then incorporates the Technosylva fire consequence score for each FLOC and further applies an environmental multiplier to incorporate atmospheric corrosivity maps and historical fire maps. Collectively, this data and information is used to inform the locations of where SCE should target X-ray and LineVue programs. SCE then evaluates execution constraints such as level of complexity, outage coordination as well as operational support resource availability. SCE uses this to determine a feasible scope of work that targets the higher risk areas of its HFRA. Please reference SCE’s 2023-2025 WMP, Section 8.1.3.8, Transmission Conductor and Splice Assessment (IN-9), Frequency or Trigger, for additional details.

- b. *How does SCE determine annual targets for transmission conductor and splice assessments, using LineVue inspections?*

Please refer to response a. above.

- c. *SCE states that it will “continue to monitor the find rate and should it continue to remain high, more proactive mitigations will be considered in the future.” Is SCE currently considering increasing its annual targets for X-Ray and LineVue?*

SCE continues to closely monitor findings from this program. Based on these reviews and analyses, SCE may update its plans for X-Ray and LineVue work for 2024 and beyond. These plans could include increased inspections, more targeted inspections, or potentially proactive mitigation programs.

- d. *If the answer to the previous part is no, why not?*

Please refer to response c. above.